

# SD Program of Study

## Products and Processing Systems Pathway

This plan of study should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans should meet high school graduation requirements as well as postsecondary entrance requirements.

	GRADE	English	Math	Science	Social Studies/ Sciences	SD Required Electives	Career & Technical Education Courses	SAMPLE Career Options Relating to This Pathway
Personal Learning Plan (PLP) initiated for all students, academic and career advisement and appropriate assessments.								
SECONDARY	9	* English/Language Arts I (01001)	* Algebra I (02052)	* Physical Science (03159)	* World History-Overview (04051) * World Geography	* PE/Health * Fine Art Elective	Introduction to Agriculture, Food, and Natural Resources (18001) Agriscience (18310)	Occupations Requiring Postsecondary Education ► Agricultural Communications Specialist ► Agricultural Salesperson ► Food and Drug Inspector ► Food Meal Supervisor ► Food Processor ► Meat Cutter-Meat Grader ► Meat Processor ► Produce Buyer Occupations Requiring Baccalaureate Degree ► Agricultural Educator ► Bacteriologist ► Biochemist-Nutritionist ► Bioengineer ► Dietician ► Food and Fiber Engineer ► Food Scientist ► Meat Science Researcher ► Microbiologist ► Quality Control Specialist
	10	*English/Literature II (01051) *Speech (01151)	* Geometry (02072)	* Biology (03051) <sup>2</sup>		1 unit total - any combination of: * World Language or * Capstone Service Learning or Approved Career & Technical Education	Leadership and Personal Development (182030) Food Science (18305)	
	11	*English/Comp III (01102) *American Literature (01054)	* Algebra II (02056)	* Chemistry (03101) <sup>2</sup>	* U.S. History-Comprehensive (04101)		Ag Processing Technology (18302)	
	12	*English/Language Arts IV (01004)	Calculus (02121) or Statistics (02201)	College Science Elective	* U.S. Government-Comprehensive (04151) * Psychology (04254)	* Personal Finance (22210) or *Economics (04201)	*Capstone Experience	
POSTSECONDARY	Year 13	Written and Oral Communications	College Level Math	Natural Sciences	Social Studies/Sciences	Computer Literacy		
	Year 14	Written Communications	Information Literacy			Wellness for Life Arts & Humanities		
	Year 15							
	Year 16							
CAREER CLUSTER CERTIFICATES	Certified Welder (AWS) Commercial Applicator Certification (Pesticide) OSHA 10 Hour Safety Certification—Construction Industry OSHA 10 Hour Safety Certification—General Industry Private Applicator Certification (Pesticide)							
Orange Text - College Level - Dual Credit						* Classes available through Virtual School	<sup>2</sup> Recommended academic	